AMENDMENTS TO THE CLAIMS

Please amend claims 12 and 18 as follows:

12. (Currently Amended) The method of claim 11 wherein integrating the input data using the internal filter of the delta-sigma modulator comprises:

providing first and second data samples and first quantizer feedback data at the same time to a first integration stage, wherein the first and second data samples provided to the first integration stage are respectively modified by a first gain and a second gain;

providing the first and second data samples and second quantizer feedback at the same time to a second integration stage, wherein the second integration stage receives output data from the first integration stage and the first and second data samples provided to the second integration stage are respectively modified by a third gain and a ~~forth~~ fourth gain;

wherein the first and second gains are an independent linear combination with respect to the third and fourth gains.

18. (Currently Amended) The method of claim 17 ~~further~~ wherein providing the first and second data samples further comprises providing the first and second data samples directly from an analog-to-digital converter.